

Typo. pag. 132

Memphis. } 708.73A, 206.  
Ty Gout. }

total: 708. 734, 259.

407.

584,747.

# 5  
14033928.

$$\begin{array}{r} \text{H} \\ 407 \\ \hline 3600 \end{array} \cdot \text{II} \quad \begin{array}{r} 1130 \\ \hline 10000 \end{array}$$

14,033,946.1130.

$$\begin{array}{r}
 19801 \quad 141635 \\
 8 \quad 14033741 \quad 11305 \\
 2 \quad 7087342 \quad 06739 \quad 2 \\
 \hline
 6 \quad 6946599 \quad 04566 \quad 0 \\
 708734 \quad 206739 \\
 \hline
 637860786065118 \\
 56799118500910 \\
 708734206739 \\
 \hline
 5669873653912011 \\
 \hline
 8 \quad 10038196178 \\
 708734206714 \\
 \hline
 8 \quad 2950854111 \\
 708734206 \\
 \hline
 1 \quad 28349368241 \\
 \hline
 5 \quad 11591728716 \\
 70873420 \\
 \hline
 1 \quad 450438671 \\
 7087342 \\
 \hline
 1 \quad 1252405213 \\
 2518815 \\
 708734 \\
 \hline
 2 \quad 212620215 \\
 393613 \\
 \hline
 7 \quad 708
 \end{array}$$

19801,416350  
708,7342067

41,635 ~~11~~ 708

$$\begin{array}{r} 365 \\ 1600 \\ \hline 2190 \\ 365 \quad 8-8. \\ \hline 584000 \\ 100 \\ \hline 584400 \\ 1347 \\ \hline 584447 \end{array}$$

$$\begin{array}{r} 365 \\ 100 \\ \hline 334 \\ 365 \\ \hline 334 \\ 334 \\ \hline 334 \end{array}$$

$$\begin{array}{r} 2338988 \\ 1169444 \quad 3-3. \\ \hline 14033928 \\ 13 \\ \hline 14033941 \end{array}$$

$$\begin{array}{r} 1130 \\ 107.00 \\ 364 \\ \hline 417 \end{array}$$

$$\begin{array}{r} 363 \\ 110 \\ \hline 1081015 \\ 21010 \\ \hline 363 \\ 36 \\ \hline 180 \end{array}$$

$$\begin{array}{r} 29 \\ 24 \\ \hline 116 \\ 58 \\ \hline 696 \\ 42 \\ \hline 708 \end{array}$$

$$\begin{array}{r} 82 \\ 19801 \\ 24 \\ \hline 19212 \\ 610 \\ \hline 24 \\ 48 \\ \hline 421 \\ 24 \end{array}$$

$$\begin{array}{r} 12 \\ 295 \\ 242 \\ \hline 515 \\ 21 \\ \hline 481 \\ 17 \end{array}$$



1609.  
July. 26.  
Ser. 9.  
P.M.

The D  
5 days old

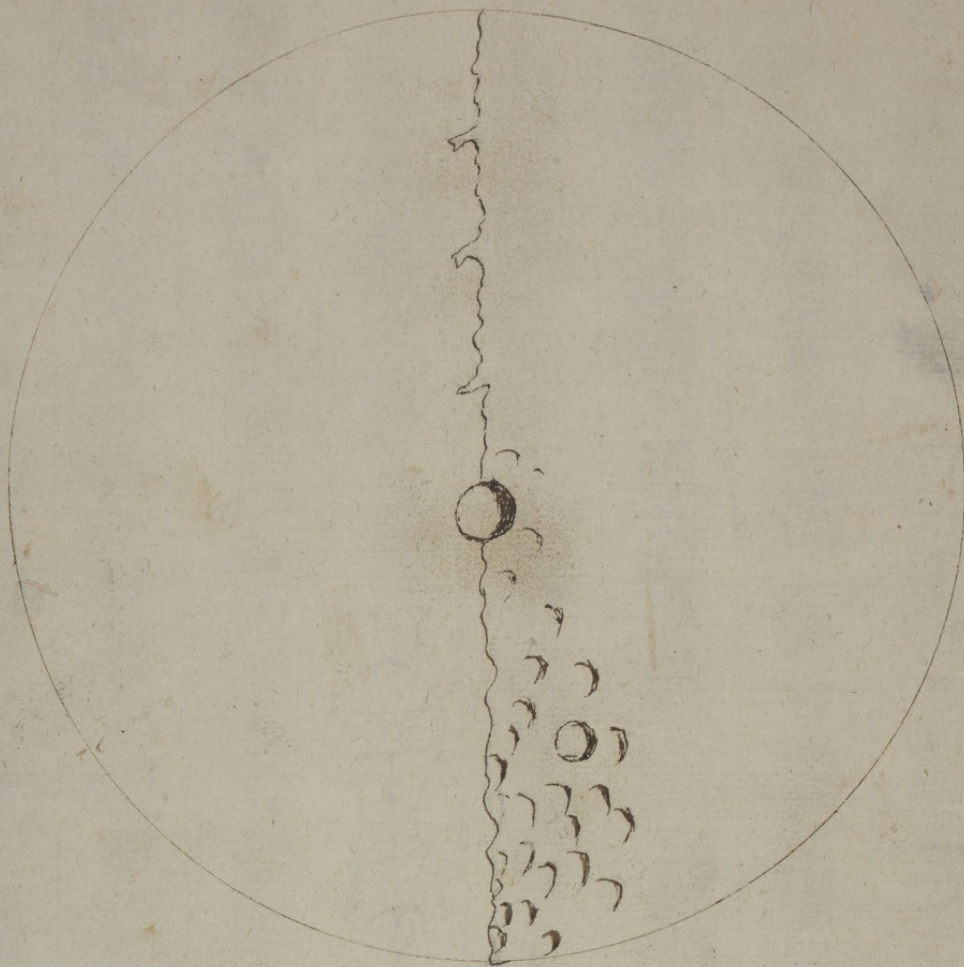


$\frac{6}{1}$ .



1620.  
July. 17. 4. 9.

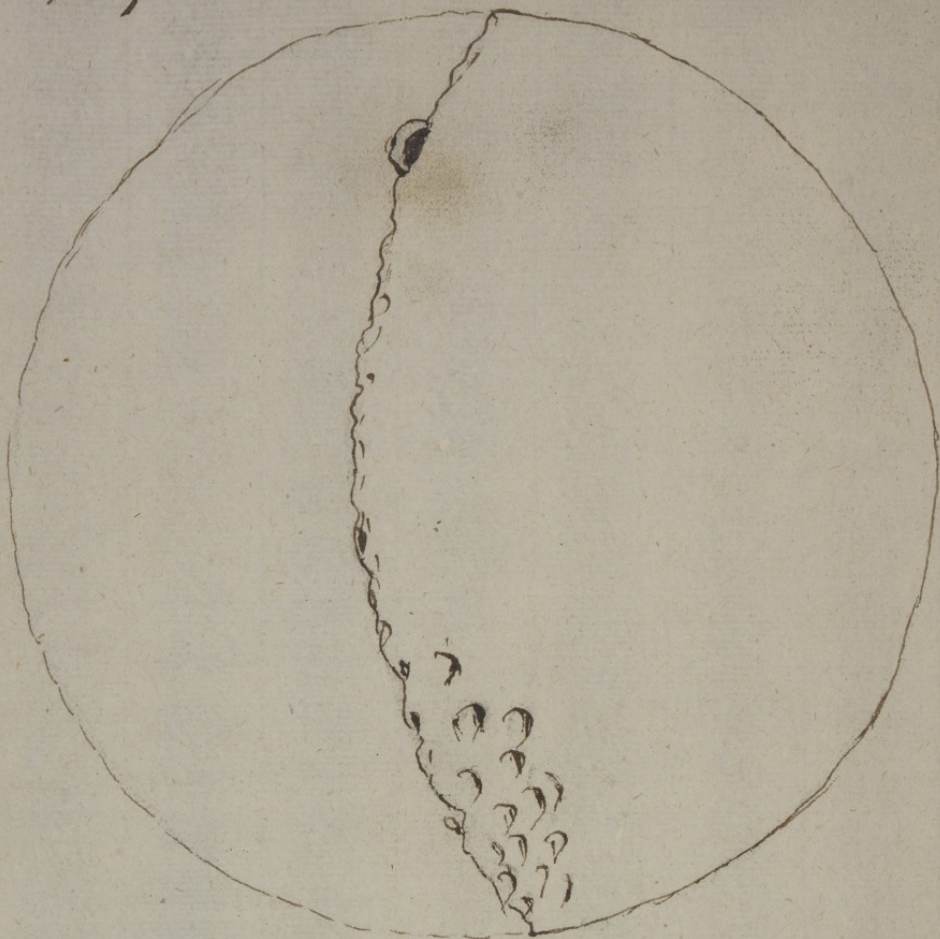
first quarter.



$\frac{10}{1}$



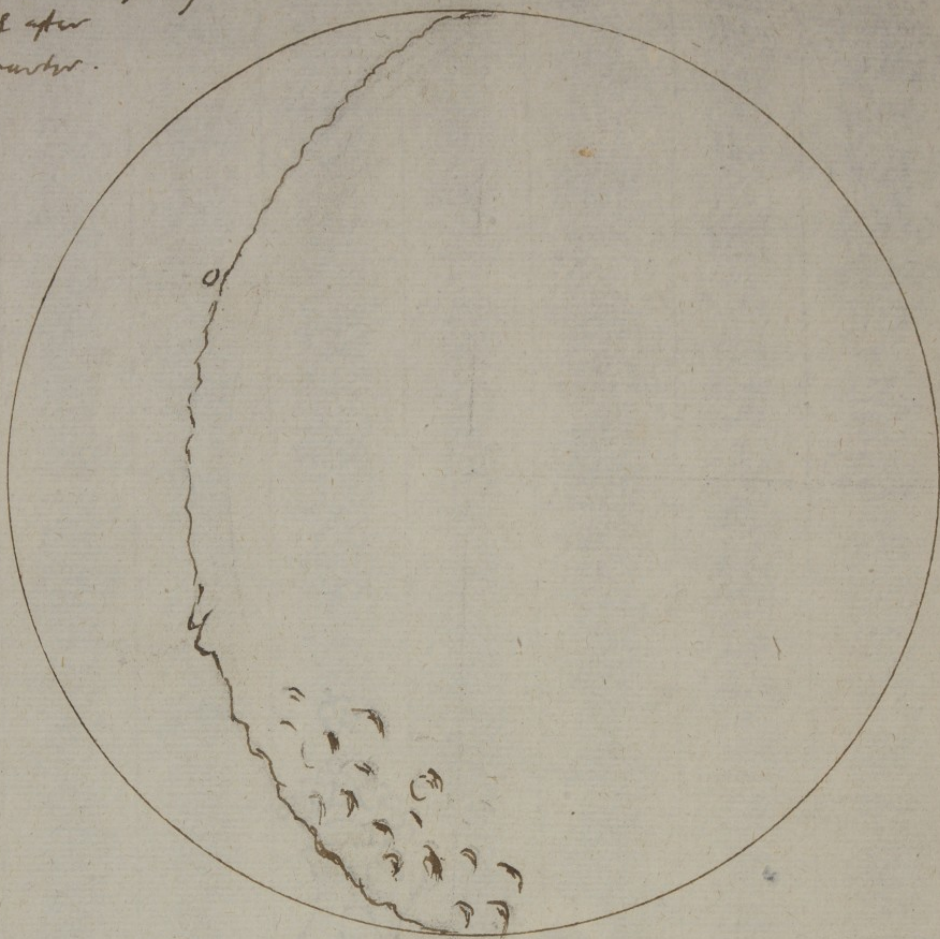
July. 20. 1690. 3<sup>rd</sup> days after the 1<sup>st</sup> quarter.  
54r. 9.



$\frac{10}{1}$



1600.  
July. 21. 50.9.  
4 days after  
1st quarter.



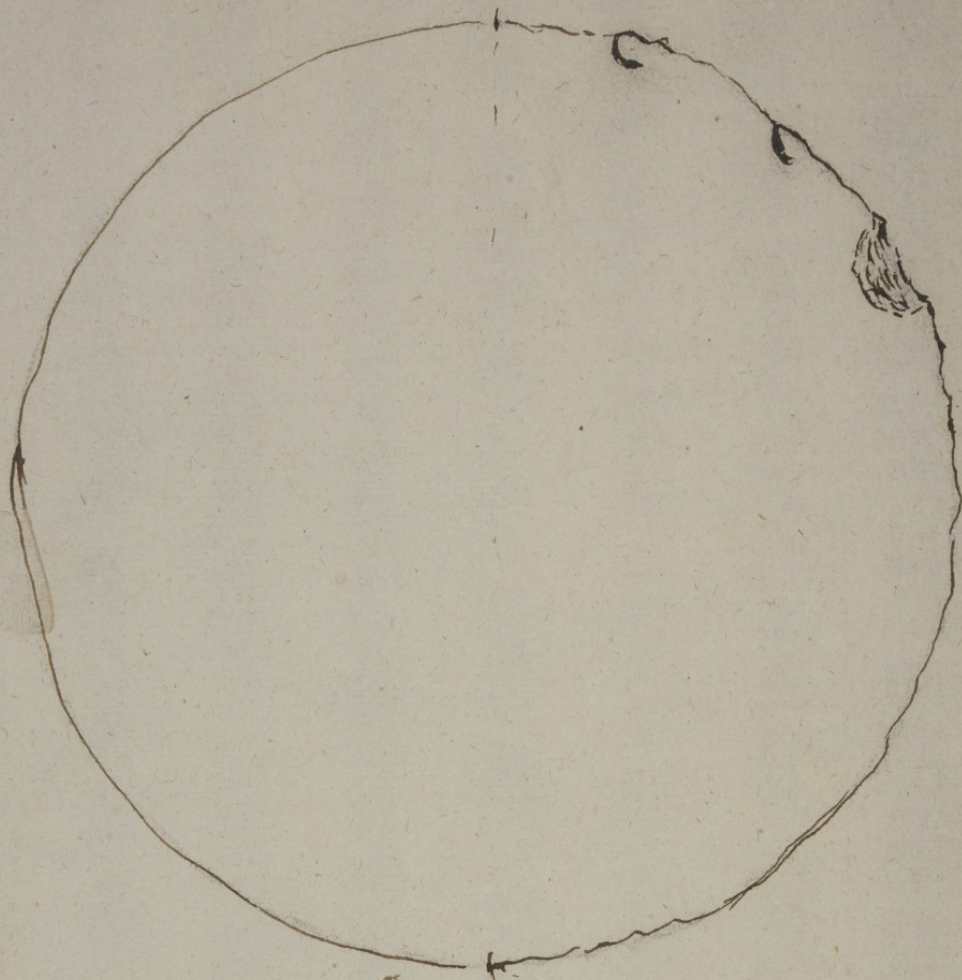
$\frac{10}{1}$



q. 500.  $9\frac{1}{2}$ . 1610.  
July 27.

3<sup>d</sup> day after the  
full.

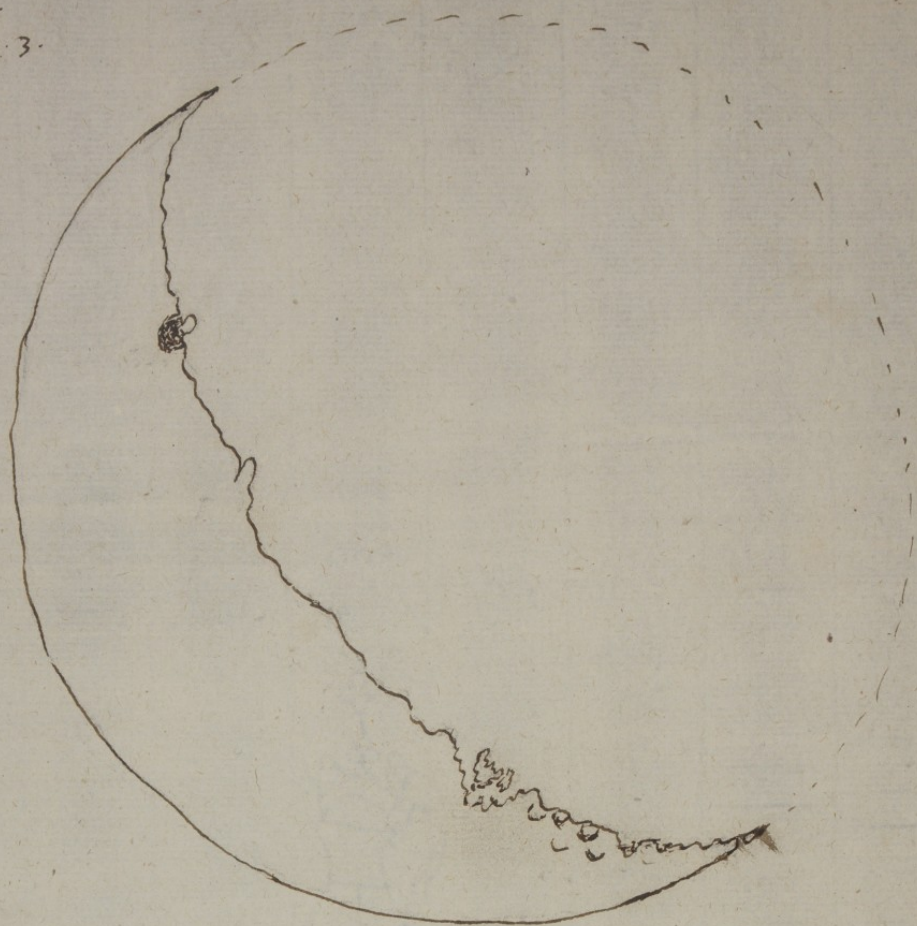
21<sup>st</sup>





1810.  
August. 4.  
Maur. Sun. 3.

2 days after the  
last quarter.



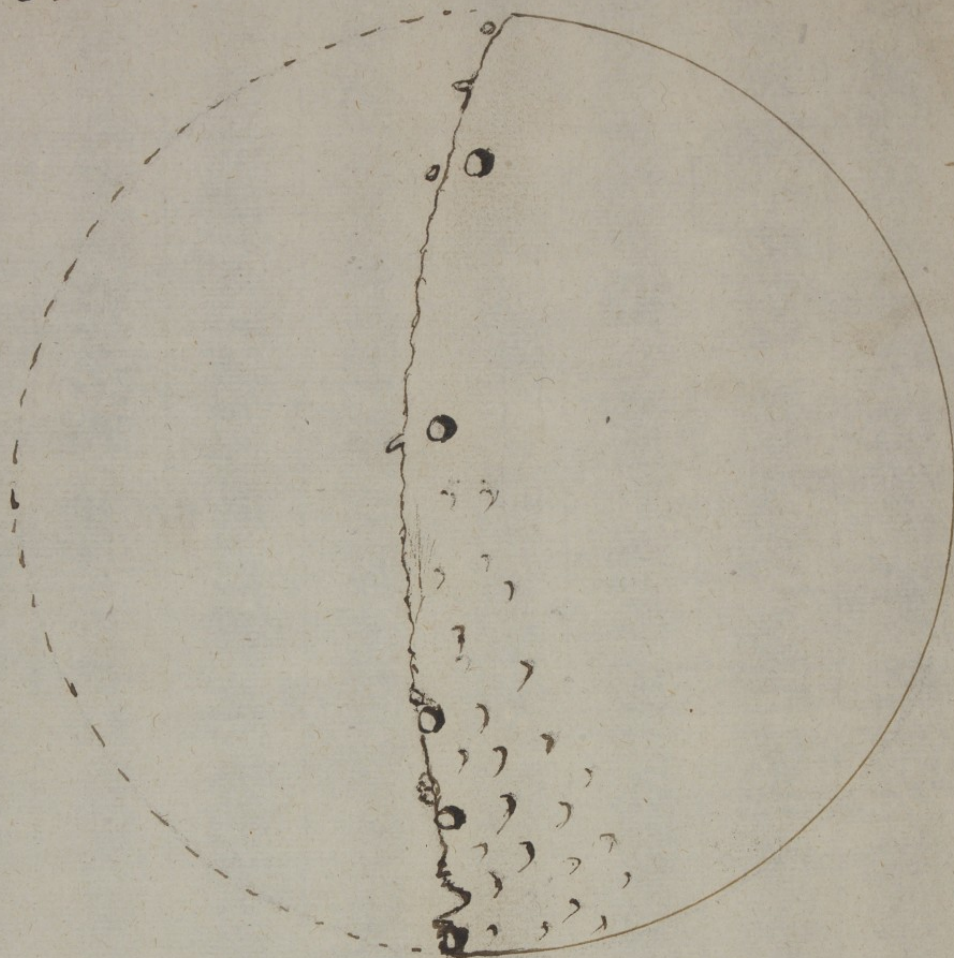
$\frac{20}{1}$

$\frac{10}{1}$



1610.  
Agt. 17.  
♀. 9or.  $8\frac{1}{2}$  PM.

$1\frac{1}{2}$  day after life  
first quarter.



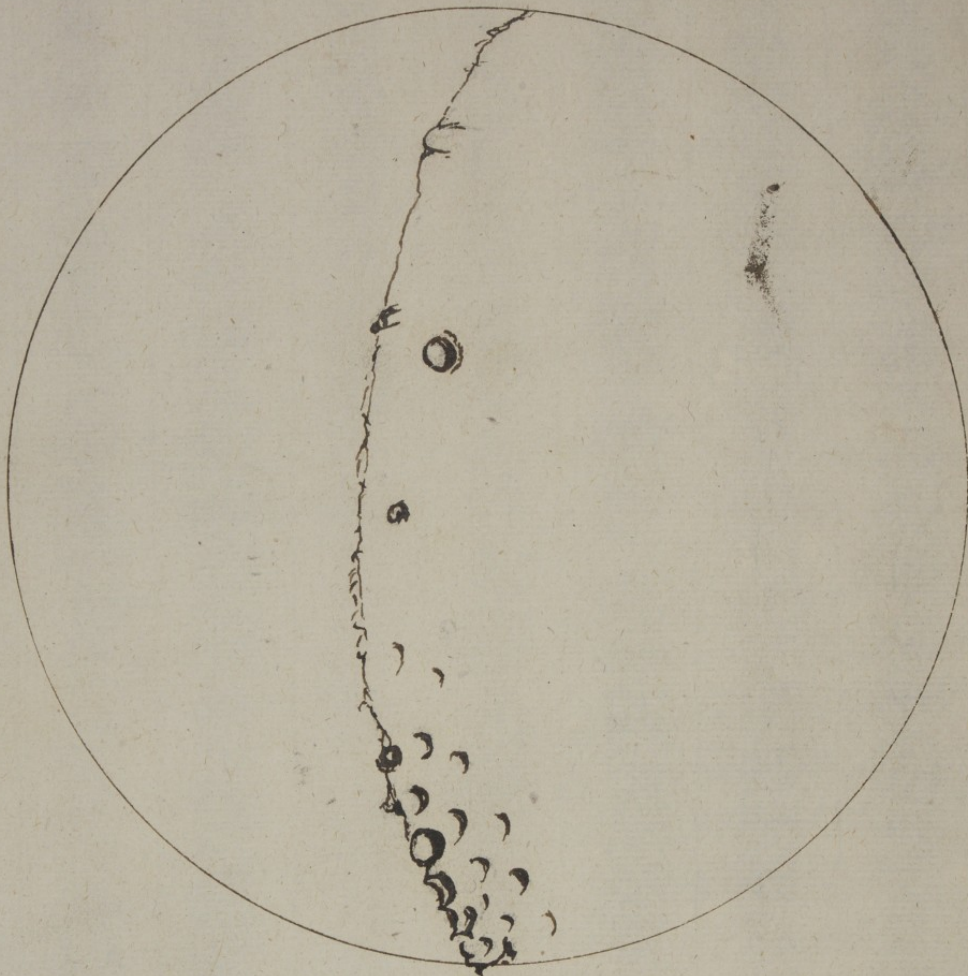
$\frac{20}{1}$

$\frac{10}{1}$

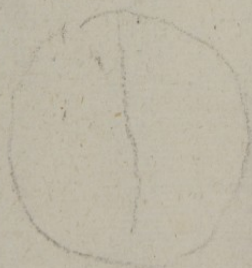


1610.  
 A. 18.  
 f. 9.

$2\frac{1}{2}$  days after yr  
 1. quarter.



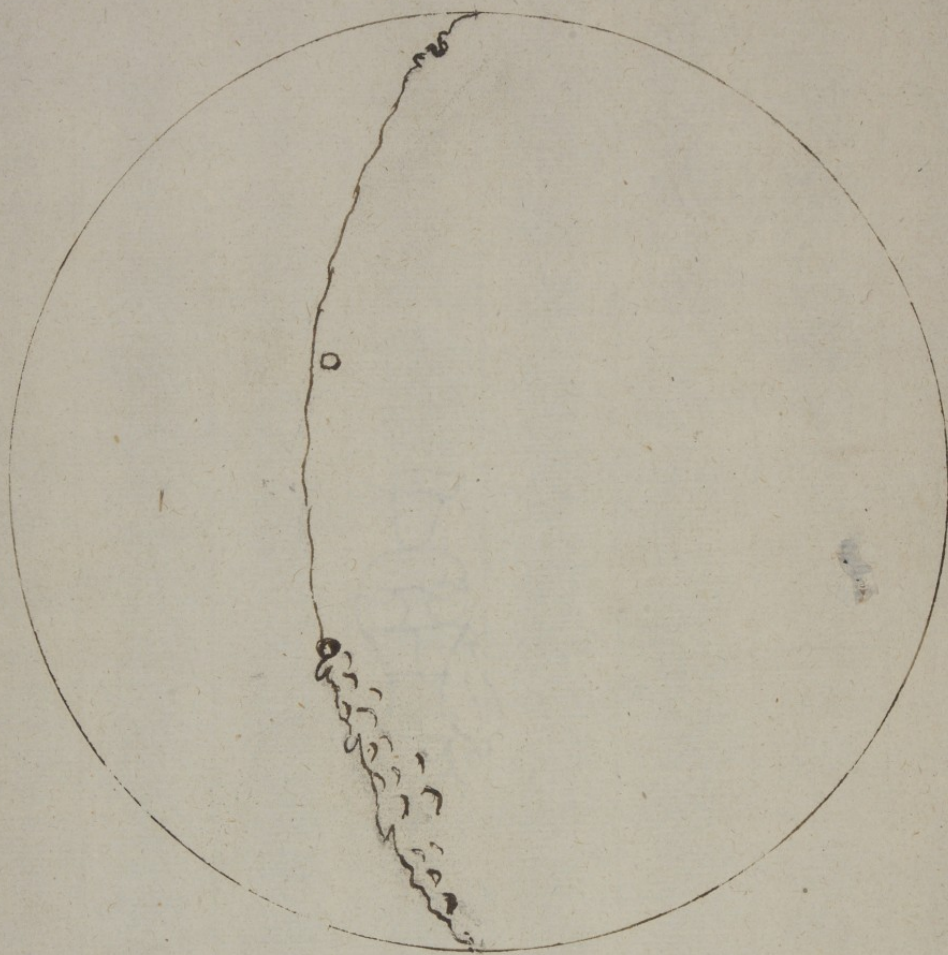
$\frac{20}{1}$   
 $\frac{10}{1}$





1610.  
 Augst. 20.  
 D. 50. 9.

$4\frac{1}{2}$  days after the  
 first quarter.



Augst. 21.  
 D. 50. 9.

$5\frac{1}{2}$  days  
 after the  
 1st quarter.

7-8  
 visible  
 nothing  
 visible.



20.  
 1  
 10  
 1

Augst. 22.  
 D. 50. 9.

not worth the  
 description.

The irregularities  
 scarce sensible with  $\frac{20}{1}$ .  
 at least about  $\frac{1}{3}$  for  
 the upper part of the  
 map. a little irregular  
 with a penitence.

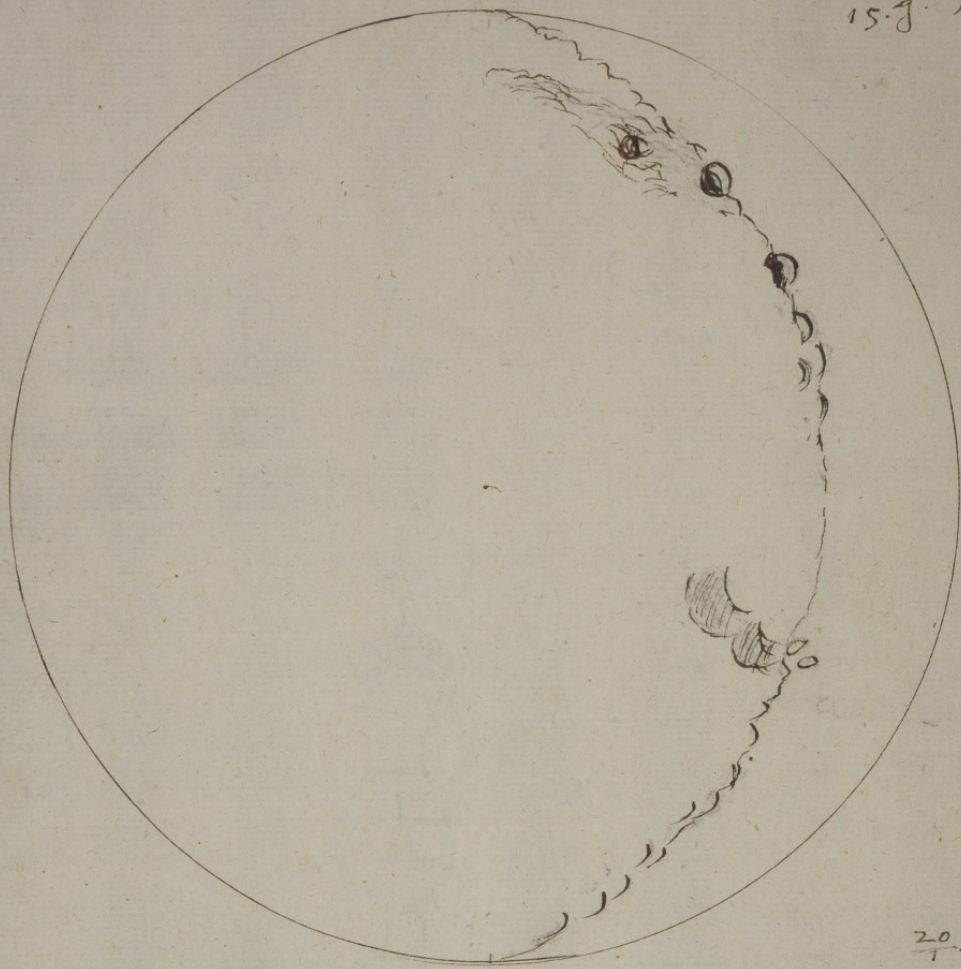


1610. A + A. 27.

D. 400 -  $9\frac{1}{2}$ .

$3\frac{1}{2}$  days after yr full.

the north - hr =  
solar -  
15.9. XW.



$\frac{20}{1}$  .  $\frac{10}{1}$

1610. A + st. 26. 3, days after  
the full.  
hor. 10.

the appearance was notable, but because  
the clouds were shadowed the moon  
perfectly after my observation I could  
not describe it.

about  $\frac{1}{3}$  of the cupian was seen.

And the horizontal line from lower rises passed by the solid high points  
was all rugged, some parts having greater circles & some valleys  
with shadows.

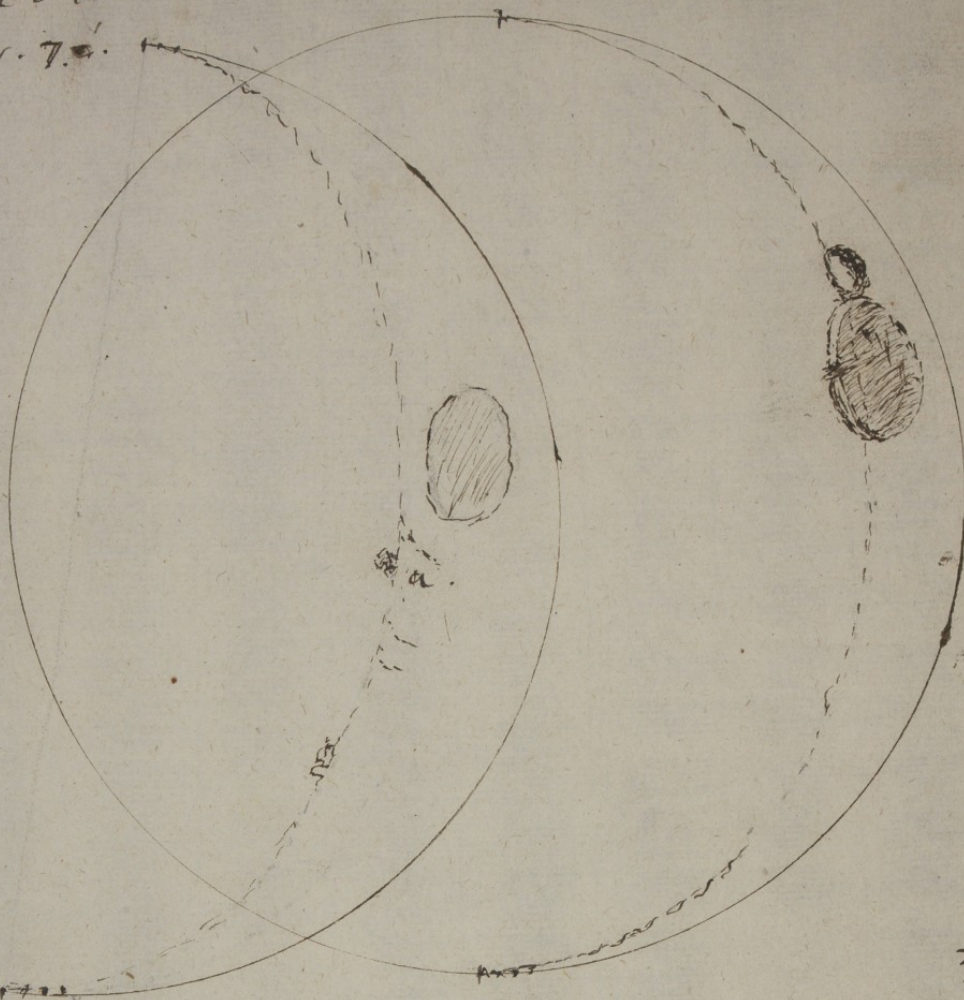


1610.

3 days old.

Sept. 6. 10.

D. hor. 7.0.



$$\begin{array}{r} 20.10. \\ 1 \quad 1. \end{array}$$

new water.

1610.

07. Sept. 10. hor. 7  $\frac{1}{2}$ . 4 days old.

The appearance was notable, rugged in many places of the body. with some illud, & prominent. That which I specially observed was a prominence in the body of the head man, about the marks (a). I could not ~~well~~ get down the figure of all, unless this but by ~~my~~ because I was troubled with the venous.

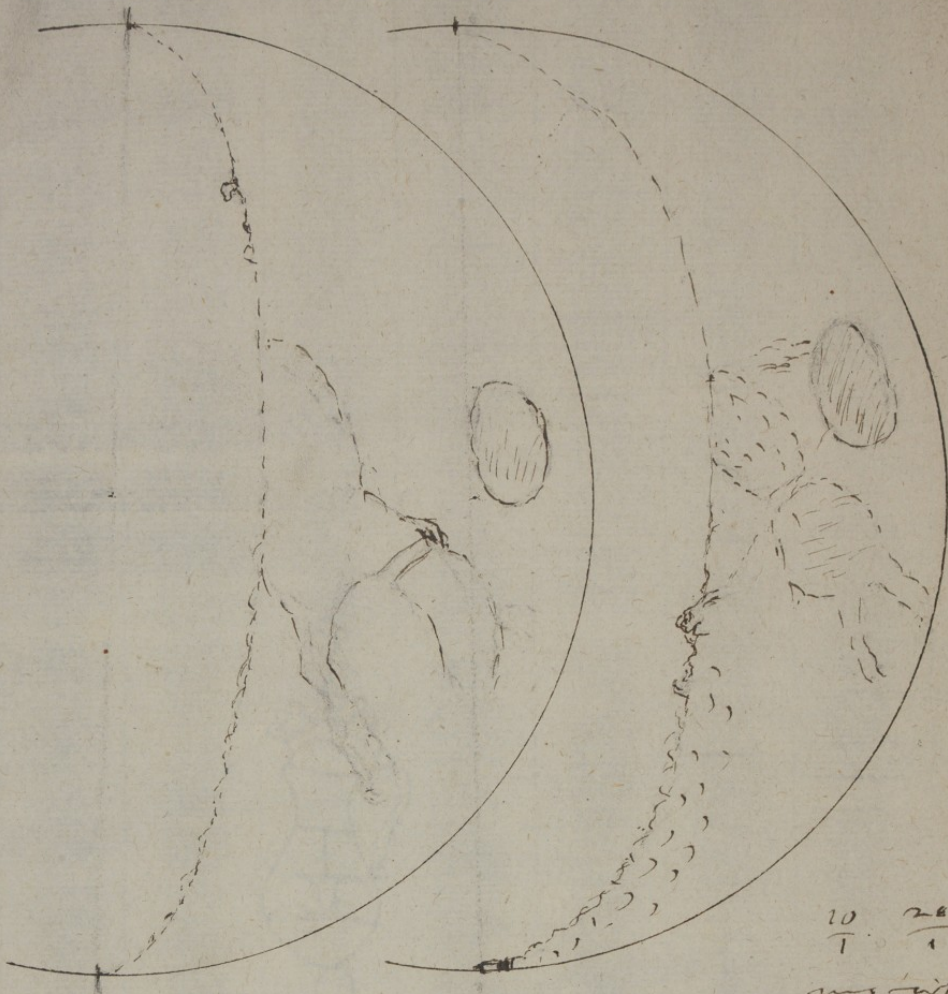


1610.  
27. Sept. 13.  
Gova. 8<sup>a</sup>.

6 Days old.

1610.  
8. Sept. 12. 80. 7 $\frac{1}{2}$ .

5 Days old.



$\frac{10}{1}$  -  $\frac{20}{1}$ .  
minutes.

$\frac{10}{1}$  -  $\frac{20}{1}$ .  
minutes.



1610. Sept. 25. 5.

Bar. 8<sup>th</sup>.

8 days old.



$\frac{10}{1}$      $\frac{20}{1}$

measured  
the run.

The day before the  
I could not be seen



DE Lima.

Octob. 23. 07. 30. 9. p.m.

I observed <sup>yet</sup> the line of dis-junc-  
tion betwixt the light & the shadow  
passed by the outward side of  
Cassio. It showed motions.  
by this observation it may appear  
how false it is for the out-  
er part of the moon.

I observed <sup>\*</sup> the second moon before  
that the 1<sup>st</sup> line of dis-junc-  
tion by the inner side of the Cassio &  
that also was moving & with  
an apparent - the - distance & some-  
times passage for it to the moon -  
the moon.

\* with the  
proper  
of obser-

Octob. 24. 8. 16. 0.

The Cassio - its name.

will  $\frac{1.0}{1}$

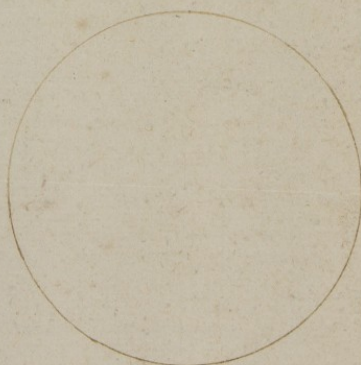
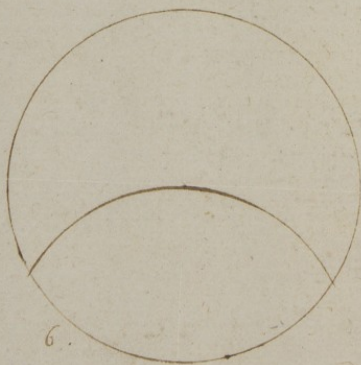
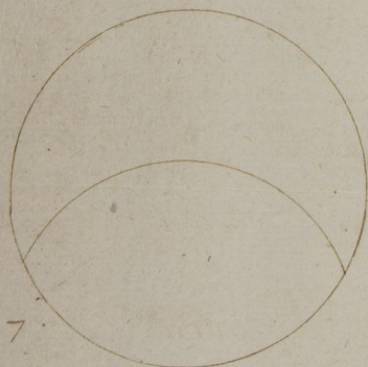
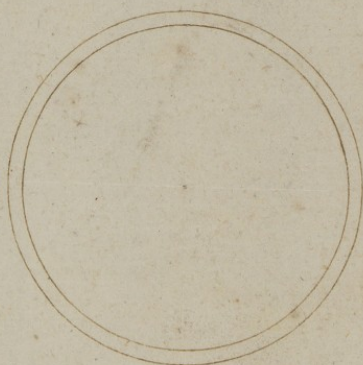
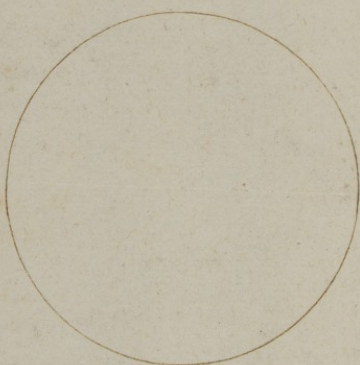
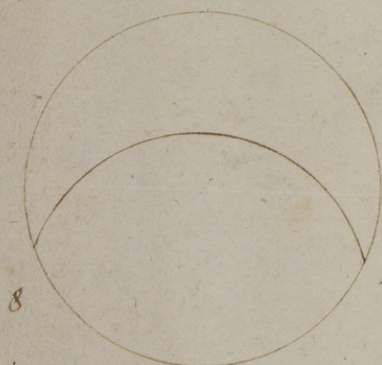
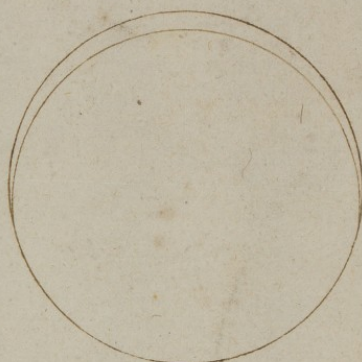
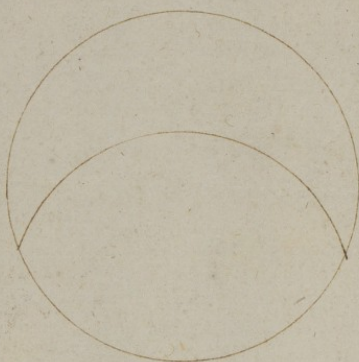
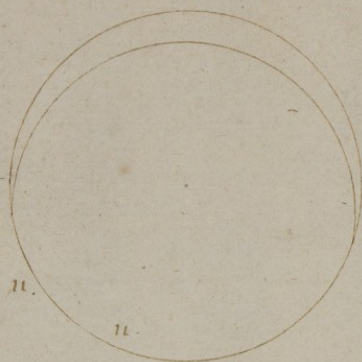
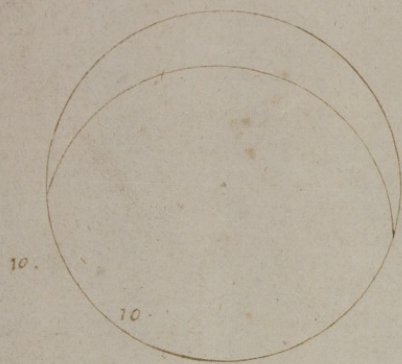




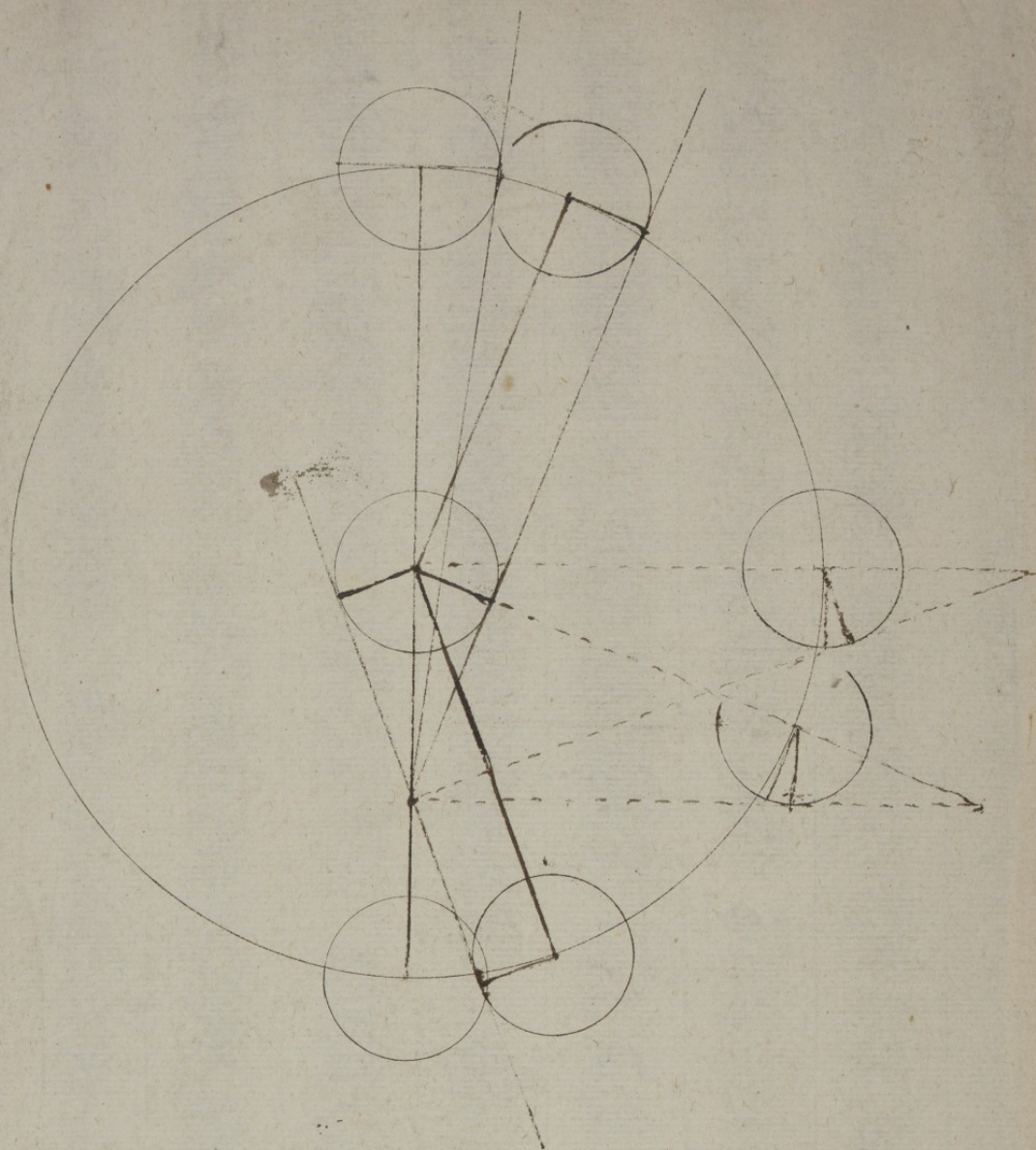




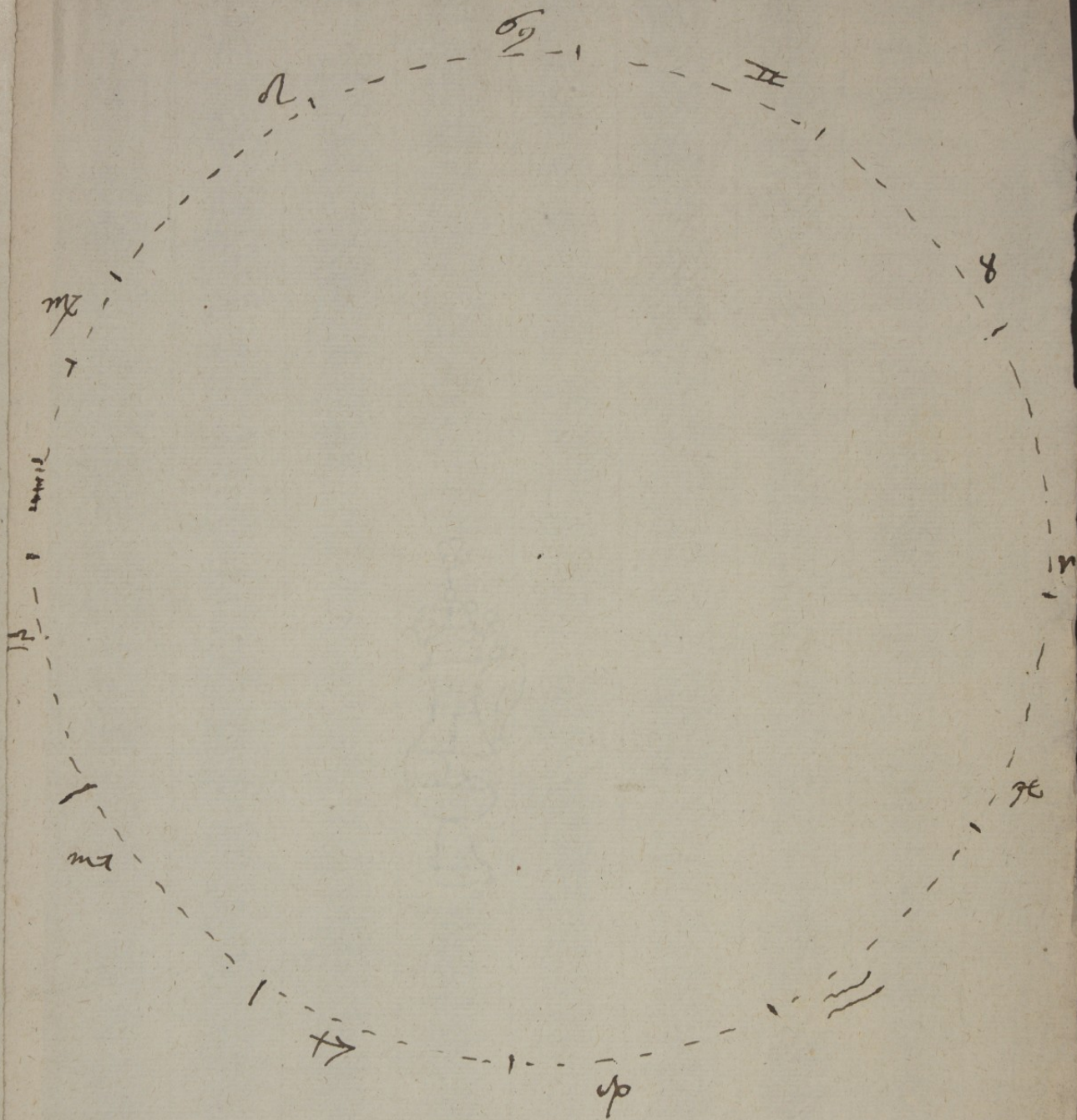














Januar.  $\frac{11}{21}$ .  $\frac{1610}{1611}$ . De D. Quadratura.

Syon. hor. 8. 55. appar.  
 9. 0. aequat.  
 Frank: 10. 10. aequat.

O. 1. 39. 29. <sup>in</sup>

horarius vly

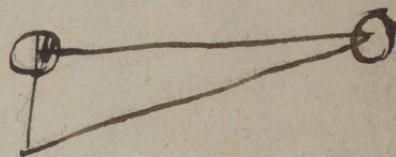
1. 11  
 2. 32.

vel  $\frac{254}{100}$

Syon. 8. 55. appar.  
 9. 4. aequat.  
 Fran: 10. 14. aequat.

D. 1. 4. 8.  
 0. 59. 8. variis.  
 lat: 4. 24. Mer.

33. 42.  
 33. 15.



1. 39.  $\frac{1}{2}$   
 0. 59.  
 40.  $\frac{1}{2}$

89. 19.  $\frac{1}{2}$ . Differentia longit. Solis et D.  
 89. 20. Distantia D<sup>a</sup> à O. in Circulo magno: 50. 8. 55.

ψ: 859,453.  
 radii: 10,000:

2. 32.  
 33. 15.  
 30. 43.

horarius D<sup>a</sup> à O.

1843.  
 227.  
 1843.

40'. 2400.  
 60. 64.  $\frac{1}{2}$ .  
 78'. 15. 18.  
 85. 55.  
 10. 13.

89. 20  
 87.  
 2. 20.  
 140'.  
 8400''

8. 55.  
 9. 59.  $\frac{1}{2}$ . (Temp<sup>s</sup> apparet quo D distabat  
 à O. 90.

227. 8400. 60. 2260.  
 1843. 8400. 60. 273.  
 4. 33.

8. 55.  
 4. 22. Temp<sup>s</sup> apparet quo D distabat  
 à O. 87.



Jan.  $\frac{11}{21}$  1610.  
21 1611.

a. p. 51. 30.

b. 22. 11.

c. 65. 30.

Asc. - 146. 53. 45.

Dublin. Bar. 13. 50. 39.

A - 1610. 1611.

Alt. 24. 30.

b. 65. 30.

ab. 38. 30. 0.

ac. 76. 9. 21.

Dif. 37. 39. 21. c. 52. 20. 39. u. 579170.

af. 114. 39. 21. c. 24. 39. 21. u. 41715.

120885

60442  $\frac{1}{2}$ .

60442  $\frac{1}{2}$ . 100000. 37701. 62375. u. 37624. u. 20. 37. 69. 23. bac.

0) 3770100000  
60442  
7) 362632

3) 1435810  
60442  
120884

7) 2769610  
60442  
181326

4) 4563410  
60442  
923094

0) 332410  
60

40. 9.  
Q. 1. 36.  
Asc. v. 303. 51. 0.

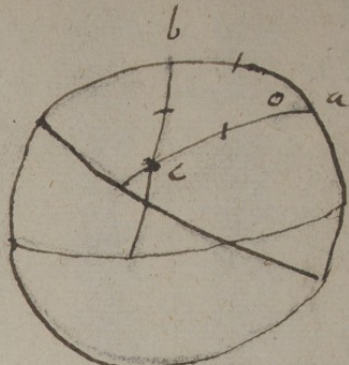
146. 53. 45.  
360.  
508. 53. 45.  
303. 51.  
203. 2. 45.  
69. 23.  
133. 39. 45.

8. 55. PM.

146. 53. 45.  
69. 23.  
77. 30. 45. Asc. M.C.  
360  
437 30. 45.  
303 51.  
133. 39. 45.

133. 0  
118  
120  
13.  
4.  
52.

133  
532  
532  
60  
480  
52.





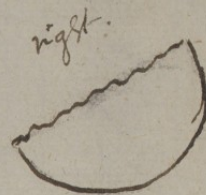
Jan. 11. 1610.  
21 1611

Distinction  
3<sup>rd</sup> 2<sup>nd</sup> 1<sup>st</sup>

clock. wats.  $\left\{ \begin{array}{l} 9.5 \\ 9.10. \\ 10.0. \\ 10.40. \end{array} \right.$   $\left\{ \begin{array}{l} \text{var.} \\ 9.26. \text{ var. but in light} \\ 9.25. \text{ right.} \\ 10.15. \\ 10.55. \end{array} \right.$



89.32.48.  
2.33.  
89.35.21.



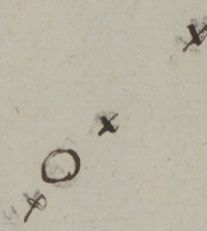
It did fairly lack of a right line by play of light without instrument.

It was the next day about 4<sup>th</sup> or 5<sup>th</sup> p.m.  
before it did give a right line without instrument by play of light.

Not yet a right line }  
but almost }  
Distinction 3<sup>rd</sup> a 1<sup>st</sup> 89.20.

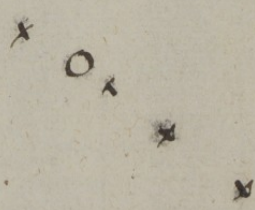
8.55. | 8.40. clock.  
var.  $\text{Cor. } 24 \frac{1}{2}$   
Compl.  $65 \frac{1}{2}$

clock.  $9 \frac{1}{2}$



9.10.  
3.  
1.

clock.  $4 \frac{3}{4}$



3.  
 $1 \frac{3}{4}$   
 $4 \frac{1}{2}$  5.  
9. 10.





Jan. 11. 1610.  
21. 1611.

13. 10. D.  
13. 29. 25. 19. Y.  
13. 51. 11. 23.

60. 152. 73. 183.  
73.  
156  
1064  
11046  
185.  
185(3).  
60.  
30. 11. 23.  
0. 1. 42. 34.

13. 7.  
60.  
780  
24  
809

809. (33. 7.  
24  
72  
89  
24  
72  
1710  
24

780  
18  
798

748 (33. 25.  
24  
72  
78  
24  
72  
619  
24  
48  
1214  
24

7  
24  
60  
1410  
809.

11. 23.  
683.  
25. 19. 345.  
5. 45.  
383. 42  
6. 23. 42.

683.  
809  
6147  
5464.  
552547

552547  
144  
4320  
17015  
1844  
18523  
5314  
144  
43217  
1027  
141

809  
614  
3236  
809.  
4854.  
496726  
345  
496726  
544  
43214  
847  
144  
7112  
144

345(5)  
60.

5. 40.  
25. 19.  
59

340  
489972  
144  
43214  
579  
144  
576  
317

1110. 798. 614. 340.  
614.  
3192  
798  
4788  
489972

340.  
5. 40.  
25. 19.  
0. 59. 8. D.

60. 85.  
60. 60.  
3600 5100

1. 39. 29.  
0. 59.  
40.

24. 40. 10. 16.

100(16)  
24  
100  
24

110(18)  
24  
200  
24



5, clock.

9. 46. — Alt: *canis minoris*.  
19. 56.

not yet a right line but almost.

10. 5. not yet — a right.

10. 20. very near, but yet not perfect.

10. 45. yet doubtful to be perfect.

10. 52. <sup>as I judge</sup> ~~are~~ unsensibly a right line  
an accidental way of the  
lower corner but almost  
but others think not yet perfect.

11. 15. yet a right line & not contrary  
but if not right rather wanting  
by the lower corner.

11. 30. yet continuing. Others  
think wanting.

11. 47. — alt. II observations. 20. 0.  
as before.

12. 0. } all indge — a right line  
12. 15. }

12. 30. unsensibly different  
so we departed  
to bed.



Syon. 16<sup>th</sup>. April. 9<sup>th</sup>.  
Clock or watch.

Dr D. D.

Ho. 6. 30. I observed the moon by instrument at 10. and the line  
of distance of light & darkness was four feet right.  
& more right at instrument by stage light.

Ho. 6. 58. The sun set. the  $\frac{7}{2}$  got my minute watch.

Ho. 7. 30. } <sup>sun observed.</sup>  
8. 0. } 7 observed. } sensibly crooked.

per skills.

9. 43. + 9. 46. Altitude Canis minoris. 19. 56. by 7 catol. Astrolabe.  
not yet a right line but almost.

10. 5. not yet a right line.

10. 20. very near, but yet not perfect.

20. 45. yet doubtful to be perfect.

10. 52. As I judge now unreasonably a right line, an acci-  
dental rag or two, at & near the lower corner but  
abstracted. say not yet perfect.

11. 15. yet a right line & not contrary. but if not right  
rather wanting by the lower corner.

11. 30. yet continuing. others say wanting.

11. 39. + 11. 47. Altitude Cap. II australis. 20. 0.  
As before.

12. 0. }  
12. 15. } all say it is in a right line. at 12. 0. I drew  
scribed the appearance as soon as I could by  
my instrument at 32.

12. 30. unreasonably different. And yet we departed  
to bed.

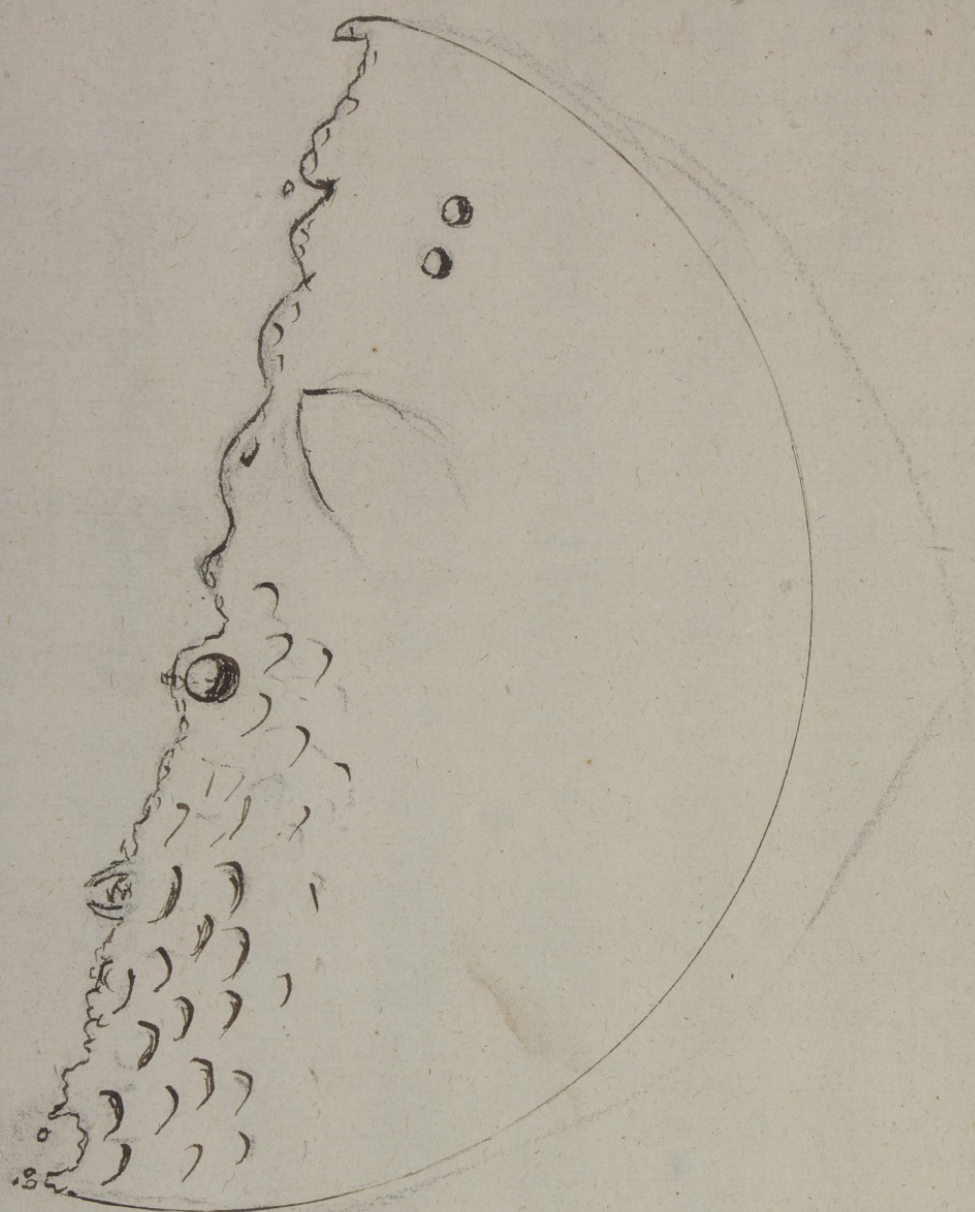
Mr Nicholas Sanders & Christopher were  
with me & also observed in 7 Garret.

Johann at 10. 15. 32. 11.  
two. one. one. one.

The next morning about 8 $\frac{1}{2}$  my watch was to forward  
from the former by a  $\frac{1}{4}$  & somewhat more.



hor: 12<sup>a</sup>



1611. d  
syn. April. 9. 50: 12<sup>a</sup>. 0.

Instrumento.  $\frac{32}{1}$



1611. April. 9. to 11. 50. □. D. O. temperature.

Temp ditto 90.

- 5.33.

midnight

6. 17. Temp 90 ditto

87.

+ 8.36.

Temp uppermost apr. 9. 11. 58.36. ditto 90.  
6. 25.36. 87.

pro syo - 1.10.

Temp uppermost } apr. 9. 10. 48.36. □. O. D.  
syo. } 9. 5. 15.36. 87. 4.

14.2. 24. 3.55. 401.  
35 842. 1440. 235. 641.



235 401. 4  
1440 338400 60 6  
940 3) 842  
940 33868101  
235 7/5 161010  
338400 7/5 1842  
1446. 60 5.38  
1956. 10800 378  
60  
648000

331  
1) 648400  
3) 1446  
58683  
1) 61210  
1446  
88681  
1) 25210  
1956

333  
1) 648400  
2) 1446  
583813  
3) 64210  
1446  
583813  
1) 58210  
1938

24  
60  
1740

2102 65  
331  
2102  
6306 8-8  
695762

695762 (11596  
666660 (193  
11596  
6660

midnight.  
O. 28.58.38. r.  
24.17.  
2.26.  
2.1.  
50.11.50. O. 29.27.22. r.

36.34. 11. 58.36. 87.  
22.32. D. 22.32. 69.  
14.2. 6.58.  
0.35.12 D. 29.27.

14  
60  
840  
2  
842.  
842 (35  
24 70  
725  
1212  
24  
128  
2

35.2  
2.26.

32.36. D. 22.32. 69.  
1946.  
37.28. D. 22.32. 69.  
2248.

58. 37  
60 60  
3480 2220  
10 28  
3476 2248

3446 (145 60  
214 7  
1914 180  
24 10800  
926 2  
1316 60  
24

35  
90  
2100  
22  
2142

32  
60  
1920  
36  
1946  
1946

35.12. 5.37. 11596.  
60. 2102. 331. 193.16.  
2112 3.13.16.  
22.32.  
25.45.16.

26.27. 60  
22.32. 180  
3.55. 55  
238



100. 44. 10, 10;

$$\begin{array}{r} 11 \\ 44 \\ \hline 1034 \end{array}$$

100. 12. 10. 1,  $\frac{3}{10}$

$$\begin{array}{r} 11 \\ 12 \\ \hline 132 \end{array}$$

100. 80. 10.

800

0. 29. 27. 22. r.

60. 57. 27. 25.

$$\begin{array}{r} 399 \\ 114 \\ \hline 1539 \end{array}$$

26. 56. 30.

$$\begin{array}{r} 25.39. \\ \hline 27.22.9. \end{array}$$

$$\begin{array}{r} 58535 \\ 2) 3677700000 \\ 5) 61889 \\ 30944518 \\ 4) 5282510 \\ 81889 \\ 19551215 \\ 0) 3313810 \\ 61889 \\ 39944513 \\ 2) 2848510 \\ 61889 \\ 18566715 \\ 5) 3368310 \end{array}$$

$$\begin{array}{r} 106642 \\ 0) 5811400000 \\ 4) 544991016 \\ 2) 36701010 \\ 32699416 \\ 5) 35000010 \\ 84499 \\ 32699414 \\ 8) 78000010 \\ 54499 \\ 2179962 \\ 1) 1266410 \\ 54 \end{array}$$

$$\begin{array}{r} xy. 109. 45. \\ xy. - 29. 27. \\ \hline yd. 80. 18. \\ ed. + 65. 30. \\ \hline yd. 145. 48. \\ \hline \text{TEMP. } 9. 43. \\ \text{PM.} \end{array}$$

1611. Ar. 7.

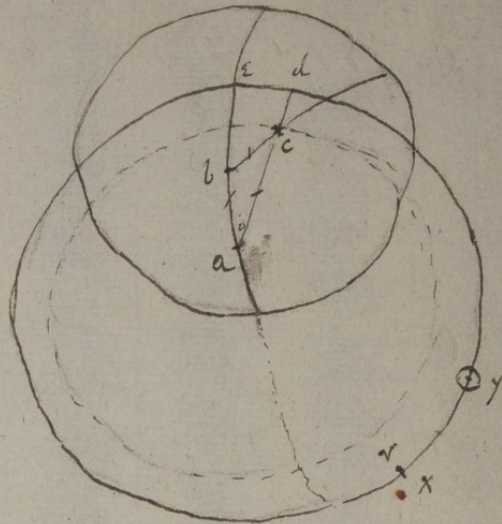
Inferioris cap: II. ascensio recta. 110. 22.  $\frac{1}{2}$   
alt: 20. 0. Declinatio: 28. 54.  $\frac{1}{2}$   
apl. 61. 6.

Cumq: ascensio recta. 109. 45.  $\frac{1}{2}$   
alt: 19. 56. Declinatio: 6. 11.  $\frac{1}{2}$   
apl. 83. 49.

0. 29. 27. r. Asc. recta. 27. 22.



Syo. 1611. April 9.



comp. bc.  

$$\begin{array}{r} ab. 38.30. \\ \text{Ca: mi: } ac. 83.49. \\ \hline \text{dra. } 45.19. \\ \text{ag. } 122.19. \end{array} \quad \begin{array}{l} \text{alt: } 19.56. v. 34092. - \\ c. 44.41. v. 70319. \\ c. 32.19. v. +53460. \end{array} \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} 36227. \text{ dra.}$$

$$\begin{array}{r} 123779 \\ 61889 \frac{1}{2} \end{array}$$

$$\begin{array}{r} xyd. 109.45. \\ xy. -29.27. \\ \hline yd. 80.18. \\ ed. +65.30. \\ \hline 145.48. \end{array}$$

$$\begin{array}{r} 61889 \frac{5}{10} \\ 36227. \\ 200000. \end{array} \quad \begin{array}{l} 58535. v. x. \text{ bac.} \\ 41465. v. 24.30. \\ 65.30. \text{ bac.} \\ \text{nd. ed.} \end{array} \quad \begin{array}{l} 9^{\circ} 43' 12'' \end{array}$$

comp. bc.  

$$\begin{array}{r} ab. 38.30. \\ \text{Int. II. } ac. 61.6. \\ \hline \text{dra. } 22.36. \\ \text{ag. } 99.36. \end{array} \quad \begin{array}{l} \text{alt: } 20.0. v. 34202. - \\ c. 67.24. v. 92321. \\ c. 9.36. v. 16677. \end{array} \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} 58119.$$

$$\begin{array}{r} 108998 \\ 54499. \end{array}$$

$$\begin{array}{r} xyd. 110.22. \\ xy. -29.27. \\ \hline yd. 80.55. \\ ed. +93.48. \\ \hline 174.43. \end{array}$$

$$11^{\circ} 38' 52''$$

$$\begin{array}{r} 54499. \\ 58119. \\ 100000. \end{array} \quad \begin{array}{l} 106642. v. x. \text{ bac.} \\ 6642. v. 3.48. \\ 86.1. \\ 93.48. \text{ bac.} \\ \text{nd. ed.} \end{array}$$



Dr D<sup>a</sup>.

A—1612. October. 21. 8. 50. 6." post M.

The Division between the light & darknes was in a  
right line, observed by my tube of 20. And if it was  
not it was looked by some other instruments. Mine was  
was yet it was it especially to 6 $\frac{1}{2}$ , the accidents appeared  
of small rings. The way was very right. Notwithstanding  
the Counter was 6 hours <sup>before</sup> it was kept by Tycho Brahe.  
And ~~Not~~ <sup>By</sup> light with an instrument it  
was played to care.

At that time the middle  
valley (a) was  $\frac{1}{3}$  from the lower  
right  $\frac{2}{3}$  to the higher. because  
ab was the diameter of ~~the~~ <sup>the</sup> instrument,  
c ac same diameter.





1. 23. 15. a right line.  
 i. c. 3. a right line.  
 3. ~~1~~ 9. 13. a right line.  
 E. a. 43. a right line.  
 n. a. ~~4~~ 5. a right line.  
 n. 23. 24. a right line.  
 3. a ~~17~~ 17. a right line.  
 9. a. 23. a right line.  
 E. h. 44. a right line.  
 3. a. 1. a right angle.  
 the middle between E. and 2.  
 is in the middle between 1. and 3.  
 c. b. n. <sup>of 45.</sup> 1 and 17. a right line.  
 n. a. 6. a right line.  
 h. b. g. a right line.  
 46. 47. 15. a right line. equall  
 a. 9. 13. equilaterall almost  
~~a. 9. 13. ab~~  
 a. 9. 38. 48. ab 3. 1. 1.  
 1. 12. 40. a right line.  
 30. 48. and 40. 49. equall.  
 1. E. a. equilaterall.

Anno. 1611. Sept. 9. D. at night.  
 the moon being in the meridian  
 observed.

40. 12. 50. in a right line, passing  
 to the eastward of 1. the length of  
 that spot. touching 34. 36. on  
 the east parts. the middle of 40.  
 the right line was in the  
 meridian.

the like on 07.

on 8 the D at the full was  
 not to be observed because  
 of the D's, nor the day after.

Correction

Anno 1611. December 9. D. 6  $\frac{1}{4}$ .

Alt. Humeri dextri }  $12 \frac{3}{4}$ .  
 vel septent. circuli.

D. Altit. 23. 0. perpendicular.

Tram. in recta linea & in  
 circulo verticali

8. 12. 32.  $\frac{22}{44}$ .

12. from Centrum.

1611. Decemb. 14. 5. 50. 8  $\frac{1}{2}$  m.  
 I noted yet the same parts of 28. 26.  
 were near the edge from is described.

1612. May. 27. 4. 50. 9. p.m.  
 I observed that in p. 23. being  
 a right line projected to the angle  
 of light the more bright was the  
 the greater. if not the top of the  
 line were not a little to the west.  
 being the very pole of the moon.



Computi per plenilunium.

Donatur plenilunium effe accuratè in æquinotio.  
 Tum: Solitunium subsequens est principium anni lunaris.

Et: plenilunium subsequens, paschale.

Quod: post æquinotium. 29. 12. 30,876.

Per præcedentia plenilunium  
 quod fuit in æquinotio post  
 cycli completi, erit post  
 æquinotium

1. 41,859.

Mensis spatium, Et est  
 maxima distantia plenilunij  
 paschalis ab æquinotio.

Sed tum illud plenilunium est paschale, et non lunarium præcedens  
 est principium anni lunaris.

Tum etiam illud plenilunium paschale sequitur primum, 234. mensibus  
 completis.

Secundum igitur paschale } - - - 1. 41,859.

erit post æquinotium

progreffio: 177. II 3363. <sup>Sol</sup>

progreffio: 177. II 3363. <sup>Sol</sup>

234. mens. 19. <sup>Sol</sup>

354. + 234. II 6745. <sup>Sol</sup>

H mensis  
 83190

H mensis  
 83424.

14. 17. 7,715.

14. 17. 7,715.

28. 35. 57,289

29. 12. 15,236.

57,289

42,053

15,236

30,876

15,236

15,640.



Mensis Lunaris; Et:

Hipparchus.	29.	31.	50.	8.	9.	20.	II	29.	$\frac{530,593,313.}{1000,000,000.}$
Ptolomaeus et	29.	31.	50.	8.	20.		II	29.	$\frac{530,594,135.}{1000,000,000.}$
Albatagnius }									
Alphonfus.	29.	31.	50.	7.	36.				
Copernicus, et }	29.	31.	50.	7.	57.				
Prutenica. }									
Tycho Brahe.	29.	31.	50.	7.	51.				

Hipparchus.	29.	12.	44.	3.	15.	44.			
Ptolomaeus, et }	29.	12.	44.	3.	20.	insti.	II	29.	$\frac{5.797}{1080}$ Ita
Albatagnius }									Judei.
Alphonfus.	29.	12.	44.	3.	2.	24.			
Arabs, et }	29.	12.	44.	0.	0.	0.	II	29.	$\frac{5.792}{1080}$ Ita
Turci. }									Arabs et
Copernicus }	29.	12.	44.	3.	12.	fini.			Turci.
et Prutenica }									
Clavius et }	29.	12.	44.	3.	10.	48.	III		
Prutenica. }									
Vista, ex }	29.	12.	44.	3.	11.		II	29.	$\frac{530,592,399.}{1000,000,000.}$
Tycho Brahe.	29.	12.	44.	3.	8.	39.	II	29.	$\frac{530,591,947.}{1000,000,000.}$

Hipparchus.	29.	12.	$\frac{734,239,512.}{1000,000,000.}$	III	Clavius	
Ptolomaeus.	29.	12.	734,259,259.	29.	12.	$\frac{734,216,666.}{1000,000,000.}$
Alphonfus.	29.	12.	734,177,777.			
Tycho.	29.	12.	734,206,738.			
Vista.	29.	12.	$\frac{734,216,346,024.}{1000,000,000.}$	II	29.	$\frac{530,592,347,751.}{1000,000,000,000.}$

Sum: Mensis Prutenicus	1,241,850.	II	29.	$\frac{22,313.}{42,053.}$	II	29.	$\frac{39,876.}{42,053.}$
accurati.	42,053.						708.

Anni Juliani } 3400 = 1,241,850 = 42,053 = Ennadec: 179 - 1.  
 (29,804,400) not.  
 In illo vero tempore Robit Vista et restituantur  
 xromend ad suas sedes accurati; in calendario  
 minime Gregoriano.

Hinc mensis sub	29.	12.	44.	3.	10.	43.	50.	40.
alia forma, erit }								

(44,2228.)	II
18. 19. 1. 2. 3.	
19. 1. 2. 3. 4.	
42,053. II 11. 40. 53.	
42,053. II 11. 40. 53.	



M. f. 29. 12. 793.  
1080.

29. 12960. + 793.  
1080 1080

29. 13753. 5.  
1080

29. 13753.  
25,920.

13753. Z 60.  
1080

13753. Z 31.  
25,920.

21,660 Z 50.  
25,920

3600. Z 8.  
25,920

8640. Z 20. inst.  
25,920

12. 24. 11  
20. 0. 111  
3. 12.  
8. 0.  
12. 44. 3. 20. 00.

1080  
12960  
108  
12960  
+ 793  
13753

1) 13753.  
1080  
1) 29513  
1080  
2160  
793

13753. 60.  
825180. 60

825180 1080  
1080  
13753. 60  
825180

Ergonom. f. 111 111 inst. 6t pholoned.

29. 31. 50. 8. 20. inst.

29. 12. 44. 3. 20. inst.

29. 12. 158,600. 111  
216,000

H

1586 793. 734,259,259.  
2160 1080. 1000,000

825180  
13753  
825180  
259,0 25920  
259, 77760  
47580  
25920  
216600  
1294600

29. 530,594,135802.  
1,000,000,000,000.

M. f. Ambians (quo ut tined.)  
Alp. 195. Scal. 195.  
paul. 195.

29. 12. 792.  
1080.

29. 12. 44. 0. 0. inst. 400. 29. 12. 733,333. 80.

na. 1/1080 3. 20.

4460  
2640  
2043  
60

158580  
20  
158,600

1294600 50  
25920  
1296000  
360000  
25920

3600  
60  
216000

216000 8  
25920  
207360  
86400  
60

518400  
60  
518400.  
8640  
51840

ex Tabulis Altophymis.  
M. f. 29. 12. 44. 0. 0. inst.

29. 31. 50. 7. 36.

et ex p. 195.

29. 12. 44. 3. 2. 59. 216000

29. 12. 44. 3. 2. 24. 12960000

29. 12. 734,177,777. 80

216,000  
60  
12960000



Hipparchus'  $\frac{126007}{345 + 82 \times 2} = 4267$  m. f. s.

$708 \frac{3133}{4267} = \text{m. f. s.}$

7)  $3024169.4267$   
 $\frac{1}{2} 298691018$   
 $37209$   
 $4267$   
 $34136$   
 $3133$

$\frac{3133}{4267}$   
 H  
 $\frac{792 + 4176}{1080 + 4267}$

$\frac{345}{368} \left\{ \begin{matrix} 3 \\ 5 \end{matrix} \right.$   
 $\frac{1725}{2070}$   
 $\frac{1035}{125925}$   
 $82$

$126007 \frac{1}{24.5}$

$\frac{504028}{252014}$   
 $3024168.1.9.$   
 $3024169$

$708 \frac{29.12}{734239512} = 29.12$   
 $\frac{1000000000}{1000000000}$

$\frac{2}{708} \left( \begin{matrix} 2 \\ 24 \\ 4819 \\ 228 \\ 24 \\ 216 \end{matrix} \right)$   
 $\frac{29}{21} \frac{116}{55} \frac{896}{112} \frac{708}{708}$

$\frac{3133}{4267} \frac{44}{60}$

$\frac{232}{4267} \frac{3}{60}$

$\frac{1119}{4267} \frac{15}{60}$

$\frac{3135}{4267} \frac{44}{60} \text{ etc.}$

$\frac{3133}{187980}$

$\frac{4}{187980}$   
 $\frac{1}{4267}$   
 $\frac{1706814}{173010}$   
 $\frac{1}{4267}$   
 $\frac{17068}{232}$   
 $\frac{13920}{13920}$

$\frac{4}{187980}$   
 $\frac{3}{4267}$   
 $\frac{1707014}{172210}$   
 $\frac{3}{4267}$   
 $\frac{17076}{14410}$   
 $\frac{8640}{8640}$

$\frac{3}{13920}$   
 $\frac{1}{4267}$   
 $\frac{12801}{1119}$   
 $\frac{67140}{67140}$

$\frac{2}{8640}$   
 $\frac{3}{4267}$   
 $\frac{8538}{102}$   
 $\frac{6120}{6120}$

Mars:  $29.12 \frac{734239512}{24000000000}$

Jov:  $29.33 \frac{593313}{1000000000}$

Diurnal:  $12.11 \frac{4448365821}{736}$

$\frac{1}{67140}$   
 $\frac{1}{4267}$   
 $\frac{244710}{4267}$   
 $\frac{21335}{3135}$   
 $\frac{18810}{18810}$

$\frac{1}{6120}$   
 $\frac{1}{4267}$   
 $\frac{17911}{18800}$   
 $\frac{4267}{17068}$   
 $\frac{1742}{1742}$

$\frac{82}{21} \frac{328}{164}$



M. J. S. 1965

29. 530,541,947,454,823,97.  
 29. 12. 44. 3. 8. 34. 20.

2.4.

530,541,947,454,823,97. {4  
 24

7) 212236778981929588 (6-6.  
 106118389490964794

\* 1273420673891577528  
 1000,000,000,000,000,00.

734,206,738,415,775,28. {3  
 60

1405240433494651680. 0-0  
 1000,000,000,000,000,00.

52,404,334,916,516,80. {6  
 60

314426009679100800 | 6-6  
 1000,000,000,000,000,00

144,260,096,791,008,00. {3  
 60

865560580746048000 | 0-0  
 1000,000,000,000,000,00.

655,605,807,460,480,00. {1  
 60

39,33634844762880000 | 6-6  
 1000,000,000,000,000,00.

336,348,447,628,800,00 {3  
 60

20180906857728,000,00 0-0.  
 1000,

1111

12,000 (216 (3  
 866

29.  
 24  
 116  
 58  
 696  
 12  
 708

M. J. S. 708.734,206,7.  
 1965



psilochus. lib. 2. cap. 14.

manuscript 1608. fol.

ὁ δ' ἔθνος ἔτο, ἐλθὼν ἐξ αὐτῶν τε αἰ, καὶ πολεμικῶς ἔζητον.  
Θοῖαν τε μεταχειρίσασθαι φασιν, οὐδὲν χηρὸν εἰδότες.  
ὁ δ' ἀτεχνῶς Θοῖοι, κύνωντο τοῦ γράσιδος καὶ τῆς Γαίης υἱοῖ.  
ὁ δ' ἔχων τὰς τῶν ἑλπίων ἑλπίων ὁ Ἀλέξανδρος, ὅτι τὰ  
ἐν αὐτῇ δέσας, ἀλλ' ὅρα ταῖς ἱερῶν ἀπεσήμενεν αὐτῶν.

Quia gens in libertate vivit, viris bellicis etiam studet.  
et superbia principum se esse profectum, cum tamen nihil  
proclari sciunt. sed qui viri superbi sunt, inter Hypobolides  
et Gange non habitant: quia in pace nunquam vult  
Alexander, nisi sane timens, quod in illa regione esset,  
sed ut pto, reuerentia sacrorum prohibetur est.



long: D.	declin: D.	Ascensio recta:	polus. 57.		polus. 61 $\frac{1}{2}$ .	
			dra ascensionis.	Ascensio obliqua.	dra ascensionis.	Ascensio obliqua.
336.	11. 11. 26."	338. 37. 50."	17. 44. 11."	356. 22. 1."		
12.		10. 47. 19."		1. 52. 59."		
348.	5. 41. 36."	349. 25. 9."	8. 49. 51."	358. 15. 0."	10. 34. 50."	359. 59. 59."
12.		10. 34. 51."		1. 45. 0"		
360.	0. 0. 0.	360. 00. 00."	0. 0. 0.	360. 0. 0.	0. 0. 0.	360. 0. 0.
12.		10. 34. 51."		1. 45. 0"		
372.	5. 41. 36."	370. 34. 51."	8. 49. 51."	361. 45. 0."	10. 34. 50."	360. 0. 1."
12.		10. 47. 19."		1. 52. 59."		
384.	11. 11. 26."	381. 22. 10."	17. 44. 11."	363. 37. 59."		

polus. 66 $\frac{1}{2}$ .			polus. 56.		polus. 51 $\frac{1}{2}$ .	
Ascensio recta.	dra ascensionis.	ascensio obliqua.	dra ascensionis.	ascensio obliqua.	dra ascensionis.	ascensio obliqua.
349. 25. 9."	13. 15. 18."	362. 40. 27."	8. 29. 59."	357. 55. 8."	7. 12. 0."	356. 37. 9."
		2. 40. 27."		2. 4. 52."		3. 22. 51."
360. 0. 0.	0. 0. 0.	360. 0. 0.	0. 0. 0.	360. 0. 0.	0. 0. 0.	360. 0. 0.
		2. 40. 27."		2. 4. 52."		3. 24. 51."
370. 34. 51."	13. 15. 18."	357. 19. 33."	8. 29. 59."	362. 4. 52."	7. 12. 0."	363. 24. 51."

polus. 84. 18. 24."		
Ascensio recta.	dra ascensionis.	
349. 25. 9."	90. 0. 0."	439. 25. 9."
		79. 25. 9."
360. 0. 0.	0. 0. 0."	360. 0. 0.
		79. 25. 9."
370. 34. 51."	90. 0. 0."	280. 34. 51."

$$\begin{array}{r} 360 \\ 24 \\ \hline 336 \end{array} \quad \begin{array}{r} 360. 00. 00. \\ 24. 22. 10. \\ \hline 338. 37. 50. \end{array}$$

$$\begin{array}{r} 360. \\ 10. 34. 51. \\ \hline 349. 25. 9. \end{array} \quad \begin{array}{r} 80 \\ 9 \\ \hline 720 \\ 80 \\ \hline \end{array}$$